

CHANGE

DEPARTMENT OF TRANSPORTATION
.FEDERAL AVIATION ADMINISTRATION

6850.17 CHG 2

7/21/78

Cancellation

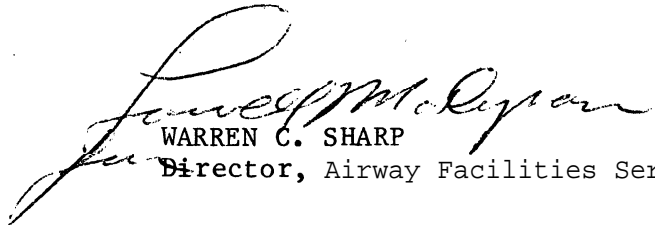
Date: Retain

SUBJ: MEDIUM-INTENSITY APPROACH LIGHTING SYSTEM WITH
RUNWAY ALIGNMENT INDICATOR LIGHTS (MALSR)

This change adds revised drawings.

PAGE CONTROL CHART

Remove Pages	Dated	Insert Pages	Dated
1 and 2	12/22/77	1 and 2	7/21/78


WARREN C. SHARP
Director, Airway Facilities Service

Distribution: WAF/AP-3; WFS/AT/LG/RD-2; RAF/AS/AT/FS-3
(except AEU); NC-1

initiated By: AAF-560

ORDERDEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

6850.17

10/27/77

(Page revised by
CHG 2 dated 7/21/78)**SUBJ:** MEDIUM-INTENSITY APPROACH LIGHTING SYSTEM WITH
RUNWAY ALIGNMENT INDICATOR LIGHTS (MALSR)

1. PURPOSE. This order directs the use of the following standard drawings and specification **FAA-C-2626** to establish the medium-intensity approach lighting system with runway alignment indicator lights (MALSR) using components furnished under Contract **DOT-FATQWA-3874**.

<u>Number</u>	<u>Date</u>	<u>Title</u>
		<u>Medium-Intensity Approach Lighting System</u> <u>with Runway Alignment Indicator Lights</u>
D-6137-0	11/30/77	0'-0" to 40'-0" Mounting Height Title
D-6137-1	11/30/77	Typical Plot Layout, Runway Number, Airport Name, City, State
D-6137-2	5/17/78	System Layout and Wiring Diagram *
D-6137-3	11/30/77	5-Light Bar, 0'-0" to 6'-0" Maximum Mounting Height; Electrical Details
D-6137-4	11/30/77	Low-Impact Resistance Structure; 6'-0" to 40'-0" Mounting Height, Electrical Details
D-6137-5	11/30/77	40'-0" to 128'-0" Mounting Height, Wiring of Low-Impact Resistance Assembly
D-6137-6	11/30/77	Runway Alignment Indicator Light Sequenced Flasher, 0'-0" to 40'-0" Mounting Height, Electrical Details
D-6137-7	11/30/77	5-Light Bar and Sequenced Flasher; 6'-0" to 40'-0" Mounting Height, Foundations
D-6137-8	11/30/77	Power and Control Station Equipment Details
D-6137-9	11/30/77	Miscellaneous Details

Distribution: WAF/AP-3; WFS/AT/LG/RD-2; RAF/AS/AT/FS-3
(except AEU); NC-1

Initiated By: AAF-560

	<u>Number</u>	<u>Date</u>	<u>Title</u>
	D-6137-10	11/30/77	Low-Impact Resistance Tower, Structural Erection and Details
	D-6137-11	11/30/77	Low-Impact Resistance Tower; 6'-0" to 40'-0" Mounting Height; Light Bar and Mounting Head
*	D-6027-1	6/12/78	Remote Radio Control, Interface Unit, Electrical Wiring Diagram
	D-6027-2	11/3/76	Remote Radio Control, Interface Unit, Assembly Unit

2. DISTRIBUTION. This order is distributed to branch level in Airway Facilities Service and Office of Airports Programs and to division level in Flight Standards, Air Traffic, Logistics, and Systems Research and Development Services in Washington headquarters; branch level in Airway Facilities, Airports, Air Traffic, and Flight Standards divisions in the regions (except AEU); and to the Director, NAFEC and the Aeronautical Center.

3. BACKGROUND. Drawings D-6137-0 through D-6137-11, and D-6027-1 through D-6027-2 are issued to provide the proper installation of MALSR equipment manufactured by Connecticut International Corporation (Sepco Division) under Contract DOT-FATQWA-3874 for MALSR frangible system mounting height of 0 to 128'-0". Tower structures of 6' to 40' will be procured by the regions, using FAA Specification FAA-E-2604. For tower structures 40' and above, new systems performance requirements are being developed.

4. APPLICATION. Drawing D-6137-0 is a typical title sheet for project drawings. Drawing D-6137-1 shows the typical site layout plan and profile for a MALSR system. This drawings is to be used as a guide and checklist for information that is required on the project site layout drawings. The access road and turnaround, which shall be constructed in accordance with access road drawings D-5980-1 and -2, are optional and should be site-determined by regional requirements. Actual siting of the system shall be in accordance with Order 6850.2, Visual Guidance Lighting Systems. Drawings D-6137-2 through -11 have been developed as standard construction and electrical installation drawings for the MALSR lighting systems with low-impact resistance supporting structure as specified in Specification FAA-E-2604 and installed in accordance with Specification FAA-C-2626. Foundation designs for the five-lamp bars, sequenced flashers, and power control station supports are based on a minimum safe soil-bearing pressure of 3,000 psf and lateral soil pressure of 200 psf per foot of depth below grade for applied loading